Sensen Li

List of Publications by Year
in descending order

33 papers	764 citations	516710 16 h-index	839539 18 g-index
33 all docs	33 docs citations	33 times ranked	715 citing authors

#	Article	IF	Citations
1	Synthetic Ultra-High-Resolution Millimeter-Wave Imaging for Skin Cancer Detection. IEEE Transactions on Biomedical Engineering, 2019, 66, 61-71.	4.2	61
2	A 24.5â€“43.5-GHz Ultra-Compact CMOS Receiver Front End With Calibration-Free Instantaneous Full-Band Image Rejection for Multiband 5G Massive MIMO. IEEE Journal of Solid-State Circuits, 2020, 55, 1177-1186.	5.4	50
3	1024-Pixel CMOS Multimodality Joint Cellular Sensor/Stimulator Array for Real-Time Holistic Cellular Characterization and Cell-Based Drug Screening. IEEE Transactions on Biomedical Circuits and Systems, 2018, 12, 80-94.	4.0	48
4	A 28-GHz Flip-Chip Packaged Chireix Transmitter With On-Antenna Outphasing Active Load Modulation. IEEE Journal of Solid-State Circuits, 2019, 54, 1243-1253.	5.4	48
5	A Millimeter-Wave Dual-Feed Square Loop Antenna for 5G Communications. IEEE Transactions on Antennas and Propagation, 2017, 65, 6317-6328.	5.1	47
6	A Multifeed Antenna for High-Efficiency On-Antenna Power Combining. IEEE Transactions on Antennas and Propagation, 2017, 65, 6937-6951.	5.1	37
7	A Linear High-Efficiency Millimeter-Wave CMOS Doherty Radiator Leveraging Multi-Feed On-Antenna Active Load Modulation. IEEE Journal of Solid-State Circuits, 2018, 53, 3587-3598.	5.4	36
8	Multi-parametric cell profiling with a CMOS quad-modality cellular interfacing array for label-free fully automated drug screening. Lab on A Chip, 2018, 18, 3037-3050.	6.0	31
9	A Buffer-Less Wideband Frequency Doubler in 45-nm CMOS-SOI With Transistor Multiport Waveform Shaping Achieving 25% Drain Efficiency and 46â€“89 GHz Instantaneous Bandwidth. IEEE Solid-State Circuits Letters, 2019, 2, 25-28.	2.0	31
10	24.2 A Reconfigurable Series/Parallel Quadrature-Coupler-Based Doherty PA in CMOS SOI with VSWR Resilient Linearity and Back-Off PAE for 5G MIMO Arrays. , 2020, , .		30
11	A Millimeter-Wave Polarization-Division-Duplex Transceiver Front-End With an On-Chip Multifeed Self-Interference-Canceling Antenna and an All-Passive Reconfigurable Canceller. IEEE Journal of Solid-State Circuits, 2018, 53, 3628-3639.	5.4	29
12	Surface Roughness Modeling of Substrate Integrated Waveguide in D-Band. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 1209-1216.	4.6	27
13	Intracellular cardiomyocytes potential recording by planar electrode array and fibroblasts co-culturing on multi-modal CMOS chip. Biosensors and Bioelectronics, 2019, 144, 111626.	10.1	27
14	A CMOS Multi-Modal Electrochemical and Impedance Cellular Sensing Array for Massively Paralleled Exoelectrogen Screening. IEEE Transactions on Biomedical Circuits and Systems, 2021, 15, 221-234.	4.0	26
15	4.6 A mm-Wave 3-Way Linear Doherty Radiator with Multi Antenna Coupling and On-Antenna Current-Scaling Series Combiner for Deep Power Back-Off Efficiency Enhancement. , 2019, , .		25
16	Towards Energy-Efficient 5G Mm-Wave links: Exploiting broadband Mm-Wave doherty power amplifier and multi-feed antenna with direct on-antenna power combining. , 2017, , .		22
17	A CMOS 1.2-V Hybrid Current- and Voltage-Mode Three-Way Digital Doherty PA With Built-In Phase Nonlinearity Compensation. IEEE Journal of Solid-State Circuits, 2020, 55, 525-535.	5.4	22
18	<inline-formula> <tex-math notation="LaTeX">W </tex-math> </inline-formula>-Band Micromachined Antipodal Vivaldi Antenna Using SIW and CPW Structures. IEEE Transactions on Antennas and Propagation, 2018, 66, 6352-6357.	5.1	21

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19	A multi-feed antenna for antenna-level power combining. , 2016, , .		18
20	A MM-Wave Current-Mode Inverse Outphasing Transmitter Front-End: A Circuit Duality of Conventional Voltage-Mode Outphasing. IEEE Journal of Solid-State Circuits, 2021, 56, 1732-1744.	5.4	18
21	24.3 A 28GHz Current-Mode Inverse-Outphasing Transmitter Achieving 40%/31% PA Efficiency at P_{sat}/6dB PBO and Supporting 15Gbit/s 64-QAM for 5G Communication. , 2020, , .		17
22	Multi-Feed Antenna and Electronics Co-Design: An E-Band Antenna-LNA Front End With On-Antenna Noise-Canceling and Gâ‚˜-Boosting. IEEE Journal of Solid-State Circuits, 2020, 55, 3362-3375.	5.4	15
23	Broadband, Linear, and High-Efficiency Mm-Wave PAs in Silicon â€• Overcoming Device Limitations by Architecture/Circuit Innovations. , 2019, , .		12
24	A 21952-Pixel Multi-Modal CMOS Cellular Sensor Array with 1568-Pixel Parallel Recording and 4-Point Impedance Sensing. , 2019, , .		10
25	A CMOS 21 952-Pixel Multi-Modal Cell-Based Biosensor With Four-Point Impedance Sensing for Holistic Cellular Characterization. IEEE Journal of Solid-State Circuits, 2021, 56, 2438-2451.	5.4	10
26	Performance of V-Band On-Chip Antennas in GlobalFoundries 45nm CMOS SOI Process for Mm-Wave 5G Applications. , 2018, , .		9
27	A 24.5-43.5GHz Compact RX with Calibration-Free 32-56dB Full-Frequency Instantaneously Wideband Image Rejection Supporting Multi-Gb/s 64-QAM/256-QAM for Multi-Band 5G Massive MIMO. , 2019, , .		9
28	A 28GHz Packaged Chireix Transmitter with Direct on-Antenna Outphasing Load Modulation Achieving 56%/38% PA Efficiency at Peak/6dB Back-Off Output Power. , 2018, , .		8
29	A 1.2 V Single Supply Hybrid Current-/Voltage-Mode Three-Way Digital Doherty PA with Built-In Large-Signal Phase Compensation Achieving Less-Than 5Â° AM-PM. , 2019, , .		7
30	4.2 An E-Band High-Linearity Antenna-LNA Front-End with 4.8dB NF and 2.2dBm IIP3 Exploiting Multi-Feed On-Antenna Noise-Canceling and Gm-Boosting. , 2020, , .		7
31	A fully packaged D-band MIMO transmitter using high-density flip-chip interconnects on LCP substrate. , 2016, , .		3
32	An Ultra-Wideband Edge-Fed Octagonal Four-Arm Archimedean Spiral Antenna. , 2019, , .		2
33	A 35â€“100GHz Continuous Mode Coupler Balun Doherty Power Amplifier with Differential Complex Neutralization in 250nm InP. , 2021, , .		1